

## INTERNATIONAL SEARCH REPORT

Application No

PCT/EP 03/04185

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04B7/06

Res't PCT/EP 28 SEP 2004

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01 69814 A (NOKIA NETWORKS OY ;HOTTINEN ARI (FI); TIRKKONEN OLAV (FI)) 20 September 2001 (2001-09-20) abstract; claims 1,12,15,18,30; figures 3,5 page 8, line 8 - line 19 page 12, line 10 - line 17 ---	1,2,4-6
X	US 6 353 638 B1 (HOTTINEN ARI ET AL) 5 March 2002 (2002-03-05) abstract; claims 1,24; figures 2A,3 column 1, line 65 -column 2, line 43 ---	1,2,4-6
X	WO 00 36764 A (NOKIA NETWORKS OY ;WICHMAN RISTO (FI); HOTTINEN ARI (FI)) 22 June 2000 (2000-06-22) abstract; figures 2A,3A,3B page 3, line 1 - line 29 ---	1,2,5,6
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 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## ° Special categories of cited documents :

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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

21 July 2003

Date of mailing of the International search report

07/08/2003

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 590 205 A (POPOVICH STEVEN R) 31 December 1996 (1996-12-31) abstract; claim 1 column 1, line 59 -column 2, line 62 ---	3
A	AHMED M ; PAUTLER J ; ROHANI K: "CDMA receiver performance for multiple-input multiple-output" IEEE 54TH VEHICULAR TECHNOLOGY, 7 - 11 October 2001, pages 1309-1313, XP001096558 Atlantic City, NJ, USA cited in the application abstract; figures 1,2 page 1309, left-hand column, paragraph 1 -page 1310, left-hand column, last paragraph -----	1-6

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